

Title (en)  
CYANINE DYES

Title (de)  
CYANINFARBSTOFFE

Title (fr)  
COLORANTS A BASE DE CYANINE

Publication  
**EP 1308480 B1 20091111 (EN)**

Application  
**EP 01954430 A 20010803**

Priority  

- JP 0106689 W 20010803
- JP 2000240144 A 20000808
- JP 2000240145 A 20000808
- JP 2000331018 A 20001030
- JP 2001087914 A 20010326

Abstract (en)  
[origin: EP1308480A1] A compound represented by the following formula (I) or a salt thereof: <CHEM> wherein R<1> and R<2> represent an alkyl group or an aryl group; R<3> to R<6> represent hydrogen atom, an alkyl group, an aryl group, a heteroaryl group, a halogen atom, cyano group, carboxyl group or sulfo group; X<1> and X<2> represent an alkyl group having 1 to 15 carbon atoms or an aryl group, and the total number of carboxyl groups existing in X<1> and X<2> is 4 or less; m<1> to m<3> represents 0 or 1; L<1> to L<7> represent a methine group; M represents hydrogen atom, a metal or a quaternary ammonium salt; Y represents nonmetallic elements required to form a 5- to 10-membered heterocyclic ring; and n represents an integer of 1 to 7 required to neutralize charge, which is useful for manufacture of silver halide photographic light-sensitive materials.

IPC 8 full level  
**C09B 23/04** (2006.01); **C09B 23/01** (2006.01); **C09B 23/02** (2006.01); **C09B 23/08** (2006.01); **G03C 1/12** (2006.01); **G03C 1/14** (2006.01); **G03C 1/20** (2006.01)

CPC (source: EP US)  
**C09B 23/0033** (2013.01 - EP US); **C09B 23/0041** (2013.01 - EP US); **C09B 23/0066** (2013.01 - EP US); **C09B 23/086** (2013.01 - EP US); **G03C 1/127** (2013.01 - EP US); **G03C 1/14** (2013.01 - EP US); **G03C 1/20** (2013.01 - EP US)

Cited by  
AU2003208700B2; US7473415B2; WO03074091A3

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
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